



**Technical Specification for
Simplex Patch cord
(G657A1 LZSH)**

1 SCOPE

- 1.1 This specification in comply with the national standards and the industrial standards.
- 1.2 This specification is made according to the company's actual production and service condition.
- 1.3 This specification covers the minimum standards and requirements for the construction, properties and testing of the simplex patch cord.

2 REFERENCES

2.1 General References

Table 1 General Reference

Document	Document Title
IEC 61754-20	Optical Fiber Connector Part 20:Type LC connector family
IEC 61754-4	Optical Fiber Connector Part 4:Type SC connector family
IEC-61754-13	Optical Fiber Connector Part13:Type FC connector family

3 OPTICAL CABLE

3.1 Optical Cable Technical Specification

Figure1 Cable Structure

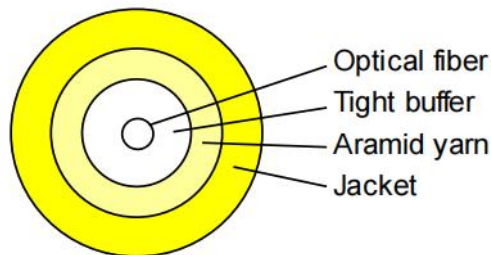


Table 2 Technical Performance of Simplex Optical Cable

Items	Requirements
Optical Fiber	G657A1
Cable Diameter (mm)	3.0
Tight buffered material	LZSH
Tight buffered diameter (mm)	0.9
External sheath material/Color	LZSH/Yellow(SM)
Cable strengthen member/Specification	Aramid Yarn

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3.2 Assembly Parts Technical Requirements

Table 3 Assembly parts Technical Requirements

Type	Bend Protector Diameter	Boot Color	Connector Case Color	Dust Cap
SC/UPC	3.0	Blue	Blue	Translucent
LC/UPC	3.0	White	Blue	White
SC/APC	3.0	Green	Green	Translucent
LC/APC	3.0	Green	Green	White
FC/UPC	3.0	Black	Metallochrome	Translucent
FC/APC	3.0	Green	Metallochrome	Translucent

Remark: appearance: no deformation, crack, scratch, flaw, stain, looseness and burr.

4 TECHNICAL REQUIREMENTS

4.1 Technical Performance

Table 4 Finished Product Technical Performance

Specifications		
Properties	Unit	Requirements
Insertion Loss	dB	≤ 0.3
Return Loss	dB	UPC ≥ 50 ; APC ≥ 60
Attenuation	dB	≤ 0.3
Durability	time	≥ 500 (mating and demating)

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5 PRODUCT PICTURE

Figure 2 SM Simplex Patchcord Structure SC/APC



Figure 3 SM Simplex Patchcord with FC/UPC connector



6 PACKAGEMENT

Carton+Pallets



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